

What is claimed is:

1. An antenna device having an antenna to be mounted on a vehicle body side for receiving a radio signal from a tire condition detection device mounted on a tire side, or giving and receiving a radio signal between the tire condition detection device and a device mounted on the vehicle body side, the antenna device having attachment means with which the antenna can be temporarily attached, moved and securely attached to the vehicle body side.
2. An antenna device according to claim 1, wherein the attachment means has a guide rail to be mounted on the vehicle body side, the antenna being engaged with the guide rail, and wherein the antenna can be temporarily attached, moved and securely attached to the guide rail.
3. An antenna device according to claim 1, wherein the attachment means has a guide member to be mounted on the vehicle body side, the guide member having a guide channel with which the antenna is engaged, and wherein the antenna can be moved along the guide channel and can be temporarily attached and securely attached to the guide member.
4. An antenna device according to claim 3, wherein the antenna is rotatably engaged with the guide channel.
5. An antenna device according to any one of claims 1 to 4, wherein the attachment means is arranged such that the antenna can be moved in an anteroposterior direction of the vehicle body and in a widthwise direction of the vehicle body.
6. An antenna device according to claim 1, wherein the attachment means has a support member for rotatably and fixably supporting the antenna to

the vehicle body side.

7. An antenna device according to claim 6, wherein the support member rotatably and fixably supports the antenna at a position away from a center of the antenna.

8. An antenna device according to any one of claims 1 to 7, wherein the attachment means has a magnet for temporarily attaching the antenna.

9. An antenna device according to claim 1, comprising an antenna case in which the antenna is contained, and a metal plate for reflecting a radio wave, the antenna case having an upper surface, the metal plate being mounted on the upper surface of the metal plate, the attachment means having a pair of guide rails to be mounted on the vehicle body side, the metal plate being slidably engaged with the pair of guide rails.

10. An antenna device according to claim 9, wherein the attachment means has wedges for temporarily attaching the metal plate to the pair of guide rails.

11. An antenna device according to of claim 9, wherein the pair of guide rails are formed of metal that can be magnetically attracted, the attachment means having magnets that can magnetically attract the guide rails, the magnets being attached to the metal plate, the attachment means being designed so that the metal plate is temporarily attached to the guide rails by magnetically attaching the magnets to the guide rails.

12. An antenna device according to of claim 9, wherein the attachment means has a plurality of bolts for temporarily and securely attaching the metal plate to the pair of guide rails, the pair of guide rails having holes for inserting the bolts therethrough at prescribed intervals in a longitudinal

direction thereof.

13. An antenna device according to claim 1, comprising an antenna case in which the antenna is contained, and a metal plate for reflecting a radio wave, the antenna case having an upper surface, the metal plate being mounted on the upper surface of the metal plate, the attachment means having a guide member to be mounted on the vehicle body side, and a bolt with which the antenna case and the metal plate can be fixed to the guide member, the guide member having a guide channel, the bolt being engaged with the guide channel, the attachment means being designed so that the antenna is moved by moving the bolt along the guide channel and is temporarily attached or securely attached by fixing the antenna case and the metal plate to the guide member with the bolt.

14. An antenna device according to claim 13, wherein the bolt is inserted through the antenna case and the metal plate, the bolt rotatably supporting the antenna case and the metal plate in a state before temporary attachment or secure attachment.

15. An antenna device according to claim 13 or 14, wherein the attachment means has a nut that is engaged with the guide channel and can be only moved along the guide channel, the bolt being threadingly engaged with the nut.

16. An antenna device according to claim 1, comprising an antenna case in which the antenna is contained, and a metal plate for reflecting a radio wave, the antenna case having an upper surface, the metal plate being mounted on the upper surface of the metal plate, the attachment means having a threadingly engagable bolt with the vehicle body side for rotatably

and fixably supporting the antenna case and the metal plate to the vehicle body side, the attachment means being designed so that a direction of the antenna is changed by rotating the antenna case and the metal plate, and the antenna is temporarily or securely attached by fixing the antenna case and the metal plate to the vehicle body side with the bolt.

17. An antenna device according to claim 16, wherein the bolt rotatably and fixably supports the antenna case and the metal plate at a position away from a center of the antenna.